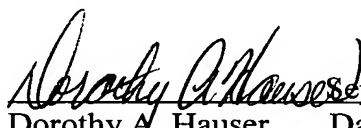


Rec'd PCT/PTO 30 SEP 2005.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Sachiko Yamada et al	)	CERTIFICATE OF EXPRESS MAILING
Filed:	October 10, 2003	)	I hereby certify that this correspondence is
Title:	2,2-Di-Substituted-1 α ,25-	)	being deposited with the United States
	Dihydroxy-19-Nor-	)	Postal Service with sufficient postage as
	Vitamin D Derivatives	)	EXPRESS MAIL in an envelope addressed
Intl. Appl.:	PCT/JP2003/013053	)	to: Commissioner for Patents, Alexandria,
Intl. Flg. Date:	October 10, 2003	)	VA 22313-1450 on this 30th day of
Priority:	October 10, 2002	)	September, 2005. The Express Mail Label
Attorney		)	is EV415013678US.
Docket No.:	5163-00001	)	September 30, 2005
		)	Dorothy A. Hauser Date

TRANSMISSION OF EXECUTED DECLARATION AND
ENGLISH TRANSLATION OF APPLICATION

Mail Stop: PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Responsive to the "Notification of Missing Requirements Under 35 U.S.C. 371", mailed
04/10/2006 CB September 30, 2005, copy attached, enclosed for filing in the above application is the executed
01 FC:2616 Declaration and English translation of the application.

A check in the amount of \$45.00 is attached for the surcharge which comprises \$65
for submission of the Declaration, \$130 for submission of the English translation, and a
reduction of \$150 due to a previous payment.

The Commissioner is hereby authorized to charge any additional fees in accordance
with 37 C.F.R. 1.16(e) to Deposit Account No. 01.2000. A duplicate copy of this sheet is
enclosed.

10/07/2005 ATRAN1 00000129 012000 10530903

01 FC:2617 20.00 DA 45.00 DP

10/07/2005 ATRAN1 00000129 012000 10530903

02 FC:1618 130.00 DA

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By


Thomas M. Wozny, Reg. No. 28092

Andrus, Sceales, Starke & Sawall, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, WI 53202
Telephone: (414) 271-7590
Facsimile: (414) 271-5770

JC04 Rec'd PCT/PTO 30 SEP 2005

10/530903

PTO/SB/21 (09-04)

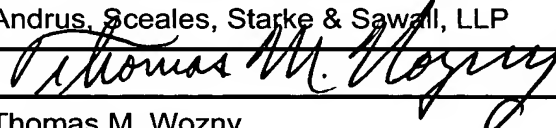
Approved for use through 07/31/2006. OMB 0651-0031

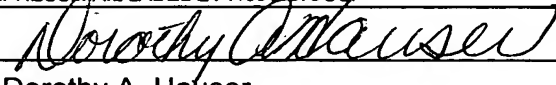
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/530,903
	Filing Date	October 10, 2003
	First Named Inventor	Sachiko Yamada
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	5163-00001

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="text-align: center; margin-top: 10px;">Return Receipt Postcard</div>
<div style="border: 1px solid black; padding: 2px; min-height: 40px;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Andrus, Sceales, Starke & Sawall, LLP		
Signature			
Printed name	Thomas M. Wozny		
Date	September 30, 2005	Reg. No.	28,922

CERTIFICATE OF EXPRESS MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as EXPRESS mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: EXPRESS MAIL LABEL EV415013678 US			
Signature			
Typed or printed name	Dorothy A. Hauser	Date	September 30, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PROCESSING FEE
Under 37 CFR 1.17(i)
TRANSMITTAL**

(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/530,903
Filing Date	October 10, 2003
First Named Inventor	Sachiko Yamada
Art Unit	
Examiner Name	
Attorney Docket Number	5163-00001

Enclosed is a paper filed under 37 CFR 1.492(i) that requires a processing fee (37 CFR 1.17(i)).
Payment of \$ 130.00 is enclosed.

This form should be included with the above-mentioned paper and faxed or mailed to the Office using the appropriate Mail Stop, if applicable. For transmittal of petition fees under 37 CFR 1.17(f), (g) or (h), see form PTO/SB/17p.

Payment of Fees (small entity amounts are NOT available for the petition fees)

☐ The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 01.2000:

☐ processing fee under 37 CFR 1.17(i) ☒ any deficiency of fees and credit of any overpayments

Enclose a duplicative copy of this form for fee processing.

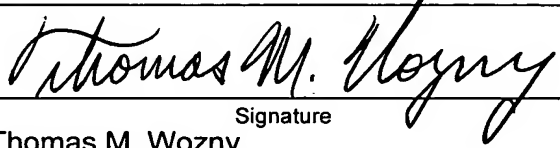
☒ Check in the amount of \$ 45.00 is enclosed.

☐ Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.

**Processing Fees under 37 CFR 1.17(i): Fee \$130 Fee Code 1808 for all,
Except for § 1.221 papers (Fee Code 1803)**

For papers filed under:

- § 1.28(c)(3) - for processing a non-itemized fee deficiency based on an error in small entity status.
- § 1.41 - for supplying the name or names of the inventor or inventors after the filing date without an oath or declaration as prescribed by § 1.63, except in provisional applications.
- § 1.48 - for correcting inventorship, except in provisional applications.
- § 1.52(d) - for processing a nonprovisional application filed with a specification in a language other than English.
- § 1.53(b)(3) - to convert a provisional application filed under § 1.53(c) into a nonprovisional application under § 1.53(b).
- § 1.55 - for entry of late priority papers.
- § 1.99(e) - for processing a belated submission under § 1.99.
- § 1.103(b) - for requesting limited suspension of action, continued prosecution application (§ 1.53(d)).
- § 1.103(c) - for requesting limited suspension of action, request for continued examination (§ 1.114).
- § 1.103(d) - for requesting deferred examination of an application.
- § 1.217 - for processing a redacted copy of a paper submitted in the file of an application in which a redacted copy was submitted for the patent application publication.
- § 1.221 - for requesting voluntary publication or republication of an application. **Fee Code 1803**
- § 1.291(c)(5) - for processing a second or subsequent protest by the same real party in interest.
- § 1.497(d) - for filing an oath or declaration pursuant to 35 U.S.C. 371(c)(4) naming an inventive entity different from the inventive entity set forth in the international stage.
- § 3.81 - for a patent to issue to assignee, assignment submitted after payment of the issue fee.



Signature
Thomas M. Wozny

Typed or printed name

September 30, 2005

Date
28,922

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005**Complete if Known**

Application Number	10/530,903
Filing Date	October 10, 2003
First Named Inventor	Sachiko Yamada
Examiner Name	
Art Unit	
Attorney Docket No.	5163-00001

☒ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**\$45.00****METHOD OF PAYMENT (check all that apply)**

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: 01.2000 Deposit Account Name: Andrus, Scales, Starke & Sawall, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20	= 0	x \$0.00	= \$0.00			
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3	= 0	x \$0.00	= \$0.00			
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		\$0.00

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Missing Parts Response: Declaration-\$65, English Translation-\$130; Reduction of \$150 from previous payment **\$45.00****SUBMITTED BY**

Signature	<i>Thomas M. Wozny</i>	Registration No. (Attorney/Agent)	28,922	Telephone	414-271-7590
Name (Print/Type)	Thomas M. Wozny	Date	September 30, 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/530,903	Sachiko Yamada	5163-00001

INTERNATIONAL APPLICATION NO.

PCT/JP03/13053

I.A. FILING DATE	PRIORITY DATE
10/10/2003	10/10/2002

Thomas M Wozny
Andrus Sceales, Starke & Sawall
100 East Wisconsin Avenue
Suite 1100
Milwaukee, WI 53202

CONFIRMATION NO. 9487

371 FORMALITIES LETTER



OC000000017017208

Date Mailed: 09/19/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 04/08/2005
- Copy of the International Search Report filed on 04/08/2005
- Copy of IPE Report filed on 04/08/2005
- Preliminary Amendments filed on 04/08/2005
- Information Disclosure Statements filed on 07/12/2005
- U.S. Basic National Fees filed on 04/08/2005
- Priority Documents filed on 04/08/2005
- Specification filed on 04/08/2005
- Claims filed on 04/08/2005
- Abstracts filed on 04/08/2005
- Drawings filed on 04/08/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application

by the International application number and international filing date.

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$45** for a Small Entity:

- **\$65** Surcharge.
- **\$130** for English translation surcharge required.

(A previous payment of **\$150** will be applied to the additional fees indicated above.)

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/530,903	PCT/JP03/13053	5163-00001